

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-11 (Cancelled).

12. (New) An expression cassette comprising:

a) a bacterial promoter, hereinafter called p_{zn} , comprising a binding site for the

Lactococcus lactis ZitR protein, which site comprises the following sequence:

AAAAATAANGTNNNNNNNTTGACATTATTTT

(SEQ ID NO:1),

in which TTGACA represents the -35 box of said promoter, and N represents A, C, G or T;

b) a sequence encoding a polypeptide exhibiting at least 80% identity with the *Lactococcus lactis* ZitR protein, placed under the transcriptional control of said promoter; and

c) at least one restriction site allowing the insertion of a nucleotide sequence of interest under the transcriptional control of said promoter.

13. (New) The expression cassette of claim 12, wherein the p_{zn} promoter comprises the following sequence:

AAAAATAANGTNNNNNNNTTGACATTATTTTNNNNNNNNATAAT

(SEQ ID NO:2),

in which TATAAT represents the -10 box of said promoter.

14. (New) The expression cassette of claim 13, wherein the p_{zn} promoter comprises a sequence selected from the group consisting of:

- the sequence:

AAAAAATAATGTTAACTGGTTGACATTATTTTACTTGCTATATAATTAACCAGTA
(SEQ ID NO:4); and

- the sequence:

AAAAAATAACGTTAACTGGTTGACATTATTTCTTGCTATATAATTAACCAGTA
(SEQ ID NO:5).

15. (New) An expression cassette comprising:

a) a bacterial promoter p_{zn} as defined in claim 12; and

b) at least one restriction site allowing the insertion of a nucleotide sequence under the transcriptional control of said promoter.

16. (New) An expression cassette resulting from the insertion of a nucleotide sequence encoding an extracellular targeting peptide, and of at least one restriction site allowing cloning of a nucleotide sequence as a translational fusion with said targeting peptide, under the transcriptional control of the p_{zn} promoter, into an expression cassette as claimed in claim 12.

17. (New) The expression cassette of Claim 16, wherein said extracellular targeting peptide is a signal peptide of sequence:

MKKINLALLTLATLMGVSSAVVFA (SEQ ID NO:6).

18. (New) An expression cassette resulting from the insertion of a nucleotide sequence under the transcriptional control of the p_{zn} promoter, into an expression cassette as claimed in Claim 12, with the exclusion of the expression cassettes comprising all or part of the sequence encoding the *L. lactis* ZitS protein, fused to a reporter gene.

19. (New) A recombinant vector comprising an expression cassette as claimed in Claim 12.

20. (New) A gram-positive bacterium transformed with at least one expression cassette as claimed in Claim 12.

21. (New) The bacterium of Claim 19, which is a lactic acid bacterium.

22. (New) A method of producing a protein in a gram-positive bacterium, which comprises culturing a gram-positive bacterium transformed with at least one expression cassette of Claim 12.

23. (New) The method of Claim 22, wherein the gram-positive bacterium is a lactic acid bacteria.

24. (New) The method of Claim 22, wherein the lactic acid bacteria is selected from the group consisting of *lactococci*, *lactobacilli* and *streptococci*.

25. (New) A method of producing a protein in a gram-positive bacterium, which comprises the steps of:

- a) introducing in said bacterium at least one expression cassette of Claim 12, comprising a sequence encoding said protein;
- b) culturing said bacterium in a medium comprising an amount of Zn^{+2} that is sufficient to repress the expression of the protein;
- c) inducing the production of said protein by Zn^{+2} depletion of said medium; and
- d) recovering the protein produced.

26. (New) The method of Claim 25, wherein the Zn^{+2} depletion of the medium is effected by adding a divalent cation-chelating compound to the medium.

27. (New) The method of Claim 25, wherein the Zn^{+2} depletion of the medium is effected by culturing the bacterium until depletion of the Zn^{+2} occurs in the medium.

28. (New) A method of controlling expression of a promoter of the *ZitRSQP* operon in a bacterium, which comprises varying concentration of Zn^{+2} in a medium containing the bacterium.

29. (New) The method of Claim 28, wherein increasing the Zn^{+2} concentration represses expression of the promoter.

30. (New) The method of Claim 28, wherein decreasing the Zn^{+2} concentration promotes expression of the promoter.